

WEST

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Term	Documents
(1 AND 3 AND 2).DWPI.	4
(L1 AND L2 AND L3).DWPI.	4

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L4

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Search HistoryDATE: Monday, May 12, 2003 [Printable Copy](#) [Create Case](#)**Set Name Query**

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result set

DB=DWPI; PLUR=YES; OP=ADJ

<u>L4</u>	l1 and l2 and L3	4	<u>L4</u>
<u>L3</u>	alkyl phenol or alkylphenol	7727	<u>L3</u>
<u>L2</u>	insecticide or pesticide or aphidicide	34632	<u>L2</u>
<u>L1</u>	aphid\$7	1564	<u>L1</u>

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 12:12:44 ON 12 MAY 2003)

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:12:56 ON 12 MAY 2003

L1 29856 S TOOSENDANIN OR TOMATINE OR STEMONINE OR NICOTINE OR
ANABASINE
L2 1531 S ANABASINE
L3 53 S ALOPERINE
L4 7 S L2 AND L3
L5 2792684 S COMPOSITION OR FORMULATION
L6 4 S L4 AND L5
L7 3 S L4 NOT L6
L8 14155 S APHID?
L9 187636 S INSECTICID? OR PESTICID? OR APHIDICID?
L10 34 S L2 AND L8 AND L9
L11 4 S L3 AND L8 AND L9

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L4: Entry 2 of 4

File: DWPI

May 6, 1969

DERWENT-ACC-NO: 1983-831187

DERWENT-WEEK: 198348

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TITLE: Stable insecticidal emulsion compsn. - comprises phenyl-decyl-3-methoxy:propane and alkylphenol-ethylene oxide wetting agent

INVENTOR: MAMEDOV, S H

PRIORITY-DATA: 1967SU-1193820 (October 30, 1967)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 232667 A	May 6, 1969		000	

INT-CL (IPC): A01N 0/00

ABSTRACTED-PUB-NO: SU 232667A

BASIC-ABSTRACT:

The insecticide is an emulsion of 1-phenyl- 1-(decyl)-3 methoxypropane with an alkyl phenol-ethylene oxide wetting agent taken in a 4:1 ratio. This forms a stable emulsion with water which when sprayed in 0.5% soln. gave a 100% kill of rice weevil under laboratory conditions, and a 100% kill of blood aphids on stunted apple trees within three days after spraying. The prepn. does not harm the plant.. Bul.1/11.12.68

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:472725 CAPLUS

DOCUMENT NUMBER: 129:256442

TITLE: Toxicities of alkaloids from *Sophora alopecuroides* against turnip aphids and effect on several esterases

AUTHOR(S): Luo, Wanchun; Li, Yunshou; Mu, Liyi; Zhao, Shanhuan

CORPORATE SOURCE: Shandong Key Laboratory of Pesticide Toxicology and Application Technique, Shandong Agricultural University, Tai'an, 271018, Peop. Rep. China

SOURCE: Kunchong Xuebao (1997), 40(4), 358-365

CODEN: KCHPA2; ISSN: 0454-6296

PUBLISHER: Kexue Chubanshe

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

AB The toxicities of 7 quinolizidine alkaloids from *Sophora alopecuroides* against turnip aphids and their effects on several esterases were studied.

Cytisine was highly effective against the insect, comparable to that of **anabasine** and nicotine. The median lethal concns. of the above 3 alkaloids against the apterous aphid were 432.59, 684.70 and 1090.65 mg/L,

resp., after treatment by dipping for 48 h. The activities of some esterases treated with the alkaloids were studied by colorimetry. The alkaloids inhibited the activity of acetylcholinesterase (AChE). The effectiveness of inhibiting AChE was: total alkaloids from the plant >cytisine >sophoramine >sophoradin>sophocarpine >oxymatrine >matrine >**aloperine**. Cytisine and **aloperine** inhibited the activity of .alpha.-NA esterase, .alpha.-NA carboxylesterase and esterase